

20. ELECTRIC DISCHARGE HEADLAMP FOR VEHICLE

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APPLICANT(S)- NISSAN MOTOR CO LTD

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PURPOSE: To prevent the discoloration and crack of an outer lens due to ultraviolet by forming an ultraviolet refraction film on the surface of an inner lens at the side of a discharge lamp for reflecting the ultraviolet .

CONSTITUTION: In an electric discharge headlamp, illumination light from a discharge lamp 3 is directly or indirectly reflected with a reflector 2. This illumination light after given a clear cut line with a shade 8, passes an inner lens 5 and an outer lens 9 in order for illuminating forward. In this case, a metal thin film 20 formed on the inner lens 5 is so constituted as to reflect only the ultraviolet , and the illumination light is not hindered with the metal thin film 20. Also, the ultraviolet is emitted from the discharge lamp 3, but reflected with the metal thin film 20 formed on the surface of the inner lens 5 at the side of the discharge lamp 3, and does not reach the outer lens 9. According to the aforesaid construction, the outer lens 9 made of resin is prevented from being discolored or cracked due to the ultraviolet.

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